\_\_\_\_\_\_

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=6; day=19; hr=15; min=15; sec=19; ms=314; ]

\_\_\_\_\_

\*\*\*\*\*\*\*\*\*\*\*\*

Reviewer Comments:

<210> 23

<211> 7

<212> PRT

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<220>

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<400> 23

Gly Asp Xaa His Gln Gly Gln

L

A mandatory feature is required to cover every "Xaa" used in a sequence. SEQ ID # 23 and 24 does not have a feature to cover the "Xaa" at positions 3, and 3,5. Please check for similar errors and make all necessary changes.

## Validated By CRFValidator v 1.0.3

Application No: 10590551 Version No: 2.0

Input Set:

Output Set:

**Started:** 2009-06-03 19:00:30.722

**Finished:** 2009-06-03 19:00:33.549

**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 827 ms

Total Warnings: 15

Total Errors: 5

No. of SeqIDs Defined: 26

Actual SeqID Count: 26

| Err | or code | Error Description  |
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| E   | 355     | Empty lines found between the amino acid numbering and the     |
| E   | 321     | No. of Bases conflict, this line has no nucleotides SEQID (26) |

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| Tyr        | Trp<br>50  | Ala        | Asn        | Arg        | Ala        | Phe<br>55  | Ala        | His        | Thr        | Lys        | Leu<br>60  | Glu        | Glu        | Tyr        | Gly        |
| Ser<br>65  | Ala        | Ile        | Gln        | Asp        | Ala<br>70  | Ser        | Lys        | Ala        | Ile        | Glu<br>75  | Val        | Asp        | Ser        | Arg        | Tyr<br>80  |
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| Asn        | Asp        | Pro<br>115 | Asp        | Ala        | Thr        | Arg        | Lys<br>120 | Leu        | Lys        | Glu        | Суз        | Glu<br>125 | Lys        | Ala        | Val        |
| Met        | Lys<br>130 | Leu        | Lys        | Phe        | Glu        | Glu<br>135 | Ala        | Ile        | Ser        | Val        | Pro<br>140 | Val        | Ser        | Glu        | Arg        |
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| Val        | Lys        | Thr        | Met<br>180 | Met        | Glu        | Asp        | Phe        | Lys<br>185 | Asn        | Gln        | Lys        | Thr        | Leu<br>190 | His        | Lys        |
| Arg        | Tyr        | Ala<br>195 | Tyr        | Gln        | Ile        | Val        | Leu<br>200 | Gln        | Thr        | Arg        | Gln        | Ile<br>205 | Leu        | Leu        | Ala        |
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| Val<br>225 | Суз        | Gly        | Asp        | Val        | His<br>230 | Gly        | Gln        | Phe        | Tyr        | Asp<br>235 | Leu        | Leu        | Asn        | Ile        | Phe<br>240 |
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Glu Glu Val Thr Leu Asp Phe Val Lys Thr Met Met Glu Asp Phe Lys
        35
                            40
                                               45
Asn Gln Lys Thr Leu His Lys Arg Tyr Ala Tyr Gln Ile Val Leu Gln
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| gtcttacaga | ctaggcaaat | cttgctagca | ctgccttctc | ttgttgatat | aagtgttcca | 240  |
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| gaagttttct | gttacctccc | gttggctcat | gttataaatg | ggaaggtctt | cgtggtacat | 600  |
| ggaggtcttt | tcagtgttga | cggcgtgaaa | ctctcagaca | tcagagccat | tgacagattc | 660  |
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| Ser        | Lys        | Gly        | Tyr        | Tyr<br>85  | Arg        | Arg        | Gly        | Ala        | Ala<br>90  | Tyr        | Leu        | Ala        | Met        | Gly<br>95  | Lys        |
| Glu        | Lys        | Asp        | Ala<br>100 | Leu        | Lys        | Asp        | Phe        | Gln<br>105 | Gln        | Val        | Lys        | Gly        | Leu<br>110 | Ser        | Pro        |
| Asn        | Asp        | Pro<br>115 | Asp        | Ala        | Thr        | Arg        | Lys<br>120 | Leu        | Lys        | Glu        | Cys        | Glu<br>125 | Lys        | Ala        | Val        |
| Met        | Lys<br>130 | Leu        | Lys        | Phe        | Glu        | Glu<br>135 | Ala        | Ile        | Ser        | Val        | Pro<br>140 | Val        | Ser        | Glu        | Arg        |
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| Val        | Lys        | Thr        | Met<br>180 | Met        | Glu        | Asp        | Phe        | Lys<br>185 | Asn        | Gln        | Lys        | Thr        | Leu<br>190 | His        | Lys        |
| Arg        | Tyr        | Ala<br>195 | Tyr        | Gln        | Ile        | Val        | Leu<br>200 | Gln        | Thr        | Arg        | Gln        | Ile<br>205 | Leu        | Leu        | Ala        |
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| Val<br>225 | Cys        | Gly        | Asp        | Val        | His<br>230 | _          | Gln        | Phe        | Tyr        | Asp<br>235 |            | Leu        | Asn        | Ile        | Phe<br>240 |
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| Asn        | His<br>290 | Glu        | Ser        | Lys        | Ser        | Met<br>295 | Asn        | Lys        | Ile        | Tyr        | Gly<br>300 | Phe        | Glu        | Gly        | Glu        |
| Val<br>305 | Arg        | Ser        | Lys        | Leu        | Ser<br>310 | Glu        | Lys        | Phe        | Val        | Asp<br>315 | Leu        | Phe        | Ala        | Glu        | Val<br>320 |
| Phe        | Cys        | Tyr        | Leu        | Pro<br>325 | Leu        | Ala        | His        | Val        | Ile<br>330 | Asn        | Gly        | Lys        | Val        | Phe<br>335 | Val        |
| Val        | His        | Gly        | Gly<br>340 | Leu        | Phe        | Ser        | Val        | Asp        | Gly        | Val        | Lys        | Leu        | Ser        | Asp        | Ile        |

|  | Ile<br>355  | Asp  | Arg                    | Phe                      | Cys                     | Glu<br>360              | Pro                     | Phe              | Glu               | Glu                     | Gly<br>365              | Leu                     | Met                     | Суз               |
|--|---|--|------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------|
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| Lys Arg<br>385   | Gly   | Val  | Gly                    | Leu<br>390               | Ser                     | Phe                     | Gly                     | Gly              | Asp<br>395        | Val                     | Thr                     | Lys                     | Arg                     | Phe<br>400        |
| Leu Gln  | Asp   | Asn  | Asn<br>405             | Leu                      | Asp                     | Leu                     | Leu                     | Val<br>410       | Arg               | Ser                     | His                     | Glu                     | Val<br>415              | TÀR               |
| Asp Glu  | Gly   | Tyr<br>420   | Glu                    | Val                      | Glu                     | His                     | Asp<br>425              | Gly              | Lys               | Leu                     | Ile                     | Thr<br>430              | Val                     | Phe               |
| Ser Ala  | Pro<br>435  | Asn  | Cys                    | Asp                      | Gln                     | Met<br>440              | Gly                     | Asn              | Lys               | Gly                     | Ala<br>445              | Phe                     | Ile                     | Arg               |
| Phe Glu<br>450   | Ala   | Pro  | Asp                    | Met                      | Lys<br>455              | Pro                     | Asn                     | Ile              | Val               | Thr<br>460              | Phe                     | Ser                     | Ala                     | Val               |
| Pro His  | Pro   | Met  | Ala                    | Tyr<br>470               | Ala                     | Asn                     | Asn                     | Phe              | Ile<br>475        | Arg                     | Met                     | Phe                     | Asn                     |                   |
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| <220>  |   | no sa<br>PTIDE   |                        | ns                       |                         |                         |                         |                  |                   |                         |                         |                         |                         |                   |
| <220><br><221><br><222>  | PEE (1) PP5   | no sa<br>PTIDE   | 3                      |                          | Glu                     | Pro                     | Pro                     | Arg<br>10        | Asp               | Glu                     | Pro                     | Pro                     | Ala<br>15               | Asp               |
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Ala Ala Ser Asn Met Ala Leu Gly Lys Phe Arg Ala Ala Leu Arg Asp

100 105 110

Tyr Glu Thr Val Val Lys Val Lys Pro